Since 1968

COMMAX
SmartHome & Security
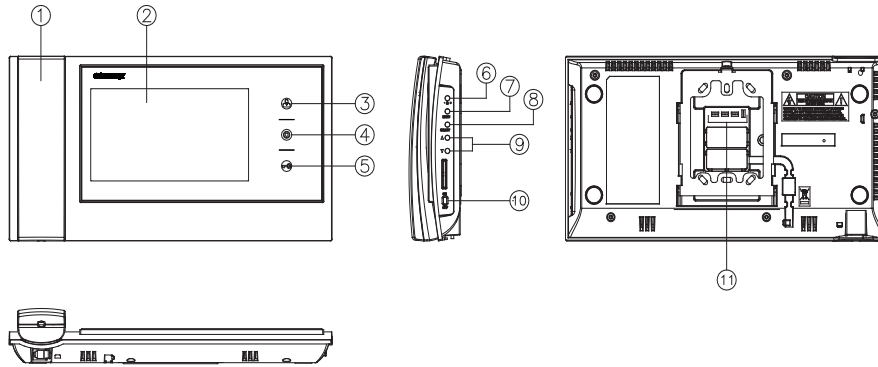
User Manual

Color video door phone CDV-70K

📦 Greetings

● Thank you for choosing COMMAX.

● Please read this manual carefully before you use the product.

📦 Table of contents

2. Product Overview

No.	Description	No.	Description
1	HANDSET	9	UP BUTTON(△) /
2	MONITOR		DOWN BUTTON(▽)
3	MONITOR BUTTON	10	POWER SWITCH
4	INTERPHONE BUTTON	11	EXTERNAL CONNECTION
5	DOOR RELEASE BUTTON		TERMINAL
6	RINGTONES VOLUME		
7	MENU BUTTON		
8	SELECT BUTTON		

① HANDSET
② MONITOR: The image of visitor is shown.
③ MONITOR BUTTON(ENTRANCE) : Check the situation of entrance.
④ INTERPHONE BUTTON : Call the interphone.
⑤ DOOR RELEASE BUTTON : Release the door for visitor.
⑥ RINGTONES VOLUME : Adjust the ringtones volume.
⑦ MENU BUTTON
   To enter the menu for screen control, mute setting and product information.
⑧ SELECT(SELECT BUTTON): Press to select an item from the menu.
⑨ UP BUTTON : Move from the menu items to up and right.
   DOWN BUTTON : Move from the menu items to down and left.
⑩ POWER SWITCH : Turn your device on and off.
⑪ EXTERNAL CONNECTION TERMINAL : For product update and connection between lobby and interphone.

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3. How to use

Call from a visitor

① When the visitor calls from the entrance(door camera), the calling sound rings and the image of the visitor is shown on the screen.

② By picking up the handset, you can talk with the visitor. If you press door release button, door will be released.(Door release works only while talking and it is possible only when the door camera is interlocked with door release function.)

③ 3-way communication is possible when another user picks up the handset of extended interphone, when you are talking with door camera on video door phone. (Entrance-Household-Interphone simultaneous communication mode)

④ If you put down the phone, talking is finished and turns to stand-by mode.

Call with additional interphone

(1) Call from interphone to video door phone(household)

① The calling sound rings when there is a call from interphone.

② By picking up the handset, you can talk with the person using interphone.

③ Image of visitor is shown on the screen and 3-way communication is possible between household, interphone and door camera when visitor calls from door camera, while household is talking with interphone.

(2) Call from video door phone to interphone

① After picking up handset of video door phone, and then press INTERPHONE BUTTON in order to call the interphone.(Interphone is called only while the interphone button on household is being pressed.)

② When you receive the call from interphone, enjoy the call.

Monitoring : function to see the image of visitor in the entrance.

(On stand-by mode - status of putting handset down) Operation

- By pressing the Monitor button repeatedly, the monitor will work as following in order.
  Camera 1 ➜ Camera 2 ➜ OFF ➜ Camera 1➜ ......

(One talking mode - status of putting handset up) Operation

- By pressing the Monitor button repeatedly, the monitor will work as following in order.
  Camera 1 ➜ Camera 2 ➜ Camera 1 ➜ Camera 2 ➜ ......

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Adjust the volume

When you press volume key repeatedly on stand-by status, you can hear each level of ringtone and volume level will be pop up on the screen. Ringtone of additional interphone is same with volume level of video door phone.

＊**Caution**

When the call volume switch is clicked for call volume adjustment, call sound will be heard from the handset 1 time for a user to check the sound.

Please make sure that handset is in position, when the call volume function is being used.

- When call volume control switch is clicked, it will operate in order as follows.
- (Stand by mode - In position)
- CHIME-VOL0 ➜ CHIME-VOL1 ➜ CHIME-VOL2 ➜ CHIME-VOL3 ➜ CHIME-VOL0

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4. Settings

You can adjust DOOR VIDEO SET, UTILITY and check INFORMATION(model name &version) with (UP)△, / (DOWN)▽ button after pressing Menu button on the right of the product in video talk mode or stand-by mode.

• Products settings need the following 4 buttons on the right of product.

* Start Menu / Exit : MENU button   * Select and in-put : SELECT button

* Move up / Move right : △(UP button) * Move down / Move left : ▽(DOWN button)

4-1. Screen setting (Brightness/Contrast/Color adjustment function)

Press the Menu button and access to DOOR VIDEO SET and enter the setting menu by pressing SELECT button.

(1) BRIGHTNESS : Adjusting Brightness of Screen

(2) CONTRAST : Adjusting Contrast of Screen

(3) COLOR : Adjusting Color of Screen

※ How to adjust

    ① Move to Menu you want to adjust with △/▽ button on the list of DOOR VIDEO SET

    ② Press SELECT button to choose an icon.

    ③ Adjust the set value with △/▽ button

    ④ To complete the set, press SELECT button.

(4) RESET : Initializing

※ How to reset.

    ① Move to RESET menu in DOOR VIDEO SET menu

    ② Press SELECT to enter the menu.

    ③ Select YES with △/▽ button

    ④ Press SELECT button.

(5) EXIT : Go back to setting mode

4-2. UTILITY(additional function)

Press the Menu button and access to Utility SET and enter the menu by pressing SELECT button.

(1) CHIME-BELL VOLUME : setting volume sound .

    ① Move to CHIME-BELL VOLUME icon with △/▽ button in UTILITY Menu.

    ② Press SELECT to enter the menu.

    ③ Select the volume sound or not with △/▽ button.

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④ To complete the set, press SELECT button.
(2) SCREEN MODE : to set for screen ratio
   ① ZOOM: Zoon in(expansion) image maintaining actual ratio(4:3) is shown. (full of the screen)
   ② 4:3: Image of 4:3 ratio without expansion is shown.(This is actual ratio for camera)
   ③ WIDE: Full of the screen. Not actual ratio (4:3). Image is expanded according to LCD (WIDE LCD) ratio.
∗ How to adjust
   ① Access to SCREEN MODE with △/▽ button in UTILITY Menu
   ② Press SELECT button to enter the menu.
   ③ Adjust screen ratio value with△/▽ button.
   ④ To complete the set, press SELECT button.
(3) EXIT : Go back to Setting menu

4-3. INFORMATION (The function to check Model name & Version)

In order to check the product information, press menu button and move to INFORMATION menu with △/▽ button.

(1) MODEL : You can check the model name.
(2) VERSION : You can check the model version.
(3) VIDEO : You can check the video transmission formats(NTSC/PAL)
(4) SOURCE :
   You can check the position of camera(DOOR1 / DOOR2) which is shown on the screen for now.

4-4. EXIT(Finish setting menu)
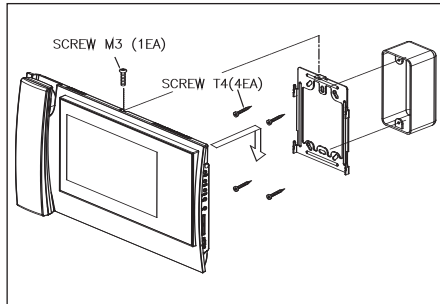
4-5. RESET : Initializing

Keep pushing interphone and door open button for 3 seconds(Screen setting and Call volume will be initialized)

Caution

If initialization is activated, all data including screen setting will be initialized) (Screen setting and Call volume)
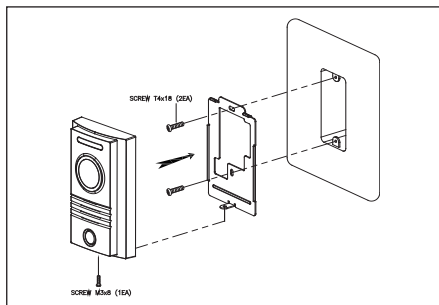
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5. Installation

1. Installation Method of camera monitor

⚠ Note
① Avoid the range of direct sunlight
② Recommended height is pertinent from 1450 ~ 1500mm
③ Avoid the installation near magnetic activity, humid temperatures and gas

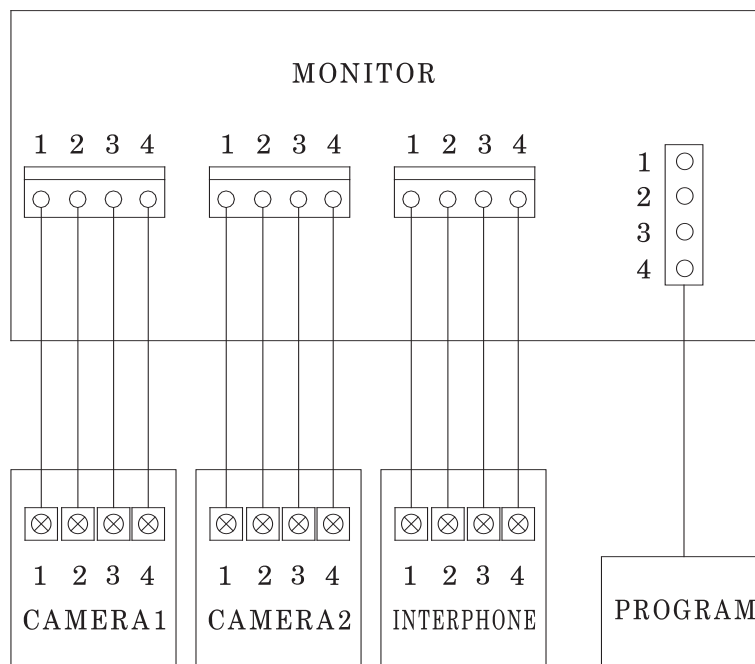## 2. Installation Method of camera

⚠ Note
① Do not install the camera where it is exposed to Direct sunlight
② Keep cleaning up its lens to capture good views.

6. Wiring

The wiring of this equipment is as follows.

1. RED : VOICE   **2**. BLUE : GND   **3**. YELLOW : POWER(+12V)   **4**. WHITE : VIDEO
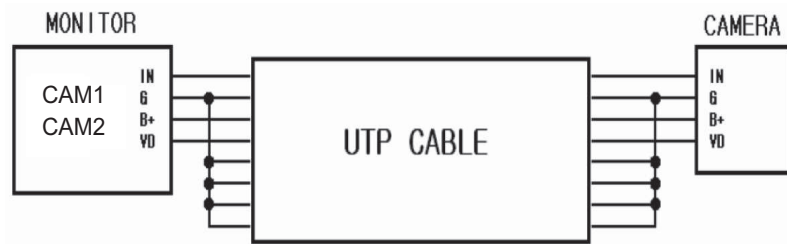

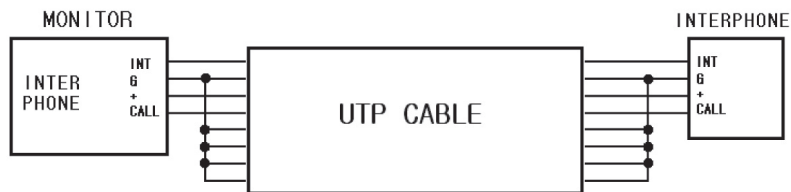**Wiring precautions**

Each device should be connected by separated cables.
If you use UTP CABLE[CAT.5] for CAMERA1and CAMERA2, 2 lines of UTP cable are required.
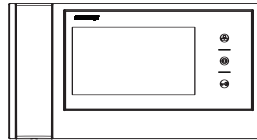
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• If you use UTP CABLE[CAT.5], connect the rest 4 lines to GND after connecting 4 lines between monitor and camera.
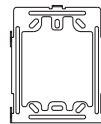
INTERPHONE Wiring

• If you use UTP CABLE[CAT.5], connect the rest 4 lines to GND after connecting 4 lines between monitor and interphone.
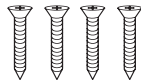
📦 7. Package Contents

① Body of CDV-70K   ② Bracket for wall mount   ③ Manual
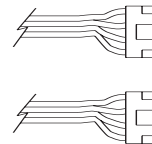
④ T4 X 18(4EA)
Screw for wall mount

⑤ M 3 X 6(1EA)
Screw for body

⑥ 4P Connector(2EA)

① Monitor(CDV-70K)
② Wall bracket for monitor
③ User Manual
④ Mounting Screw (SCREW GH1T 4X18 ZnY) – 4EA
⑤ Monitor fixing screw (SCREW PHM 3X6 ZnY) – 1EA
⑥ Connector (CONN. 4PX300) – 2EA

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8. Caution in use

1. Turn on the power switch.
2. Please contact your local agent for product maintenance when you have a problem in use of CDV-70K
3. For your safety, power switch with a safety device must be used in your building.
4. Unplug before installing or repairing the product.
5. Unplug when you connect monitor with door cameras.

9. Miscellaneous

● Please carefully read this User's Guide before calling service man

   After checking the entire check list, please contact customer service center.
   We will do our best to make you satisfy with our services.

10. Specification

MODEL	CDV-70K		
Wiring	4 wires with door camera(Polarity)		
	4 wires with interphone(Polarity)		
Rating Voltage	100-240V~, 50/60Hz (FREE VOLTAGE)		
Power consumption	Stand-by : 4.5W Maximum : 16W		
Transmission way	HAND SET		
Screen	17.78Cm(7") TFT-DIGITAL LCD		
Ringtone	Entrance : electronic chime		
	Interphone : electronic buzzer		
Screen Display	Monitoring : 30 ±5sec , Talk : 60 ±5sec		
Cable thickness &	Pie 0.5mm	0.65mm	0.8mm
Distance	28m	50m	70m
Working temperature	0 ~+40℃ (32℉ ~ 104℉)		
Dimension	305(W) X 166(H) X 49(D)		

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